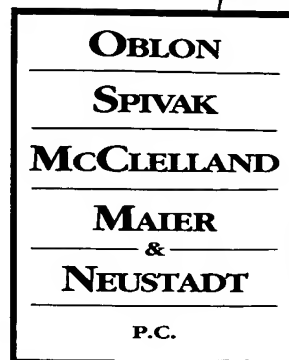


DT07 Rec'd PCT/PTO 24 DEC 2002

5060



ATTENTION: APPLICATIONS BRANCH

**THIS IS A RESPONSE TO A
NOTIFICATION OF DEFECTIVE RESPONSE**ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

ATTORNEYS AT LAW

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(703) 413-3000

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VINCENT K. SHIER, PH.D.

REGISTERED PATENT AGENT

(703) 413-3000

VSHIER@OBLON.COM

Re: Serial No.: **10/030,194**
Applicant(s): **Michel RENARD et al.**
Filing Date: **FEBRUARY 4, 2002**
For: **MUTANT GENE OF THE GRAS FAMILY AND PLANTS WITH
REDUCED DEVELOPMENT CONTAINING SAID MUTANT GENE**

SIR:

Attached hereto for filing are the following papers:

Preliminary Amendment and Statement
Substitute Sequence Listing w/Attached Computer-Readable Form
Return Copy - Notification of Defective Response

Our check in the amount of \$-0- is attached covering any required fees. In the event any variance exists between the amount enclosed and the U.S. Patent and Trademark Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. §1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. §1.136 for the necessary extension of time. A duplicate of this sheet is enclosed.

Respectfully Submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Docket No. 218874US0PCT

**22850**Tel. (703) 413-3000
Fax. (703) 413-2220
(OSMMN 11/98)
Norman F. Oblon

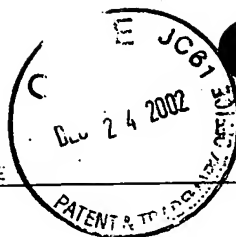
Registration No. 24,618

Vincent K. Shier, Ph.D.

Registration No. 50,552



UNITED STATES PATENT AND TRADEMARK OFFICE



Commissioner for Patents, Box PCT
 United States Patent and Trademark Office
 Washington, D.C. 20231
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/030,194	Michel Renard	218874USOPCT

INTERNATIONAL APPLICATION NO.

PCT/FR00/02216

IA. FILING DATE	PRIORITY DATE
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08/02/2000

22850
 OBLON SPIVAK MCCLELLAND MAIER & NEUSTADT PC
 FOURTH FLOOR
 1755 JEFFERSON DAVIS HIGHWAY
 ARLINGTON, VA 22202

CONFIRMATION NO. 8696

371 FORMALITIES LETTER



OC00000009180390

Date Mailed: 12/02/2002

NOTIFICATION OF DEFECTIVE RESPONSE

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fee
- Biochemical Sequence Diskette
- Biochemical Sequence Listing
- Copy of IPE Report
- Copy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- English Translation of the IA
- Information Disclosure Statements
- Oath or Declaration
- Preliminary Amendments
- Request for Immediate Examination

RECEIVED: 1250
 OBLON, SPIVAK, McCLELLAND
 MAIER & NEUSTADT, P.C.
DOCKETING DEPT.

Initials/Date Docketed: 1250
 Type of Resp(s): Sequence Listing
 Due Date(s): 1-2-2003 (Ear)

Applicant's response filed 08/15/2002 is hereby acknowledged. The following requirements set forth in the NOTIFICATION of MISSING REQUIREMENTS mailed 03/15/2002 have not been completed.

Applicant is required to complete the response within a time limit of ONE MONTH from the date of this Notification or within the time remaining in the response set forth in the Notification of Missing Requirements, whichever is the longer. No extension of this time limit may be granted under 37 CFR 1.136, but the period for response set in the Notification of Missing Requirements may be extended under 37 CFR 1.136(a).

The following items **MUST** be furnished within the period set forth below:

- The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821-1.825 for the following reason(s):
 - A copy of the "Sequence Listing" in computer readable form has been submitted. The content of the computer readable form, however, does not comply with the requirements of 37 CFR 1.822 and/or 1.832, as indicated on the attached marked-up copy of the "Raw Sequence Listing."

and

- The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
- APPLICANT MUST PROVIDE:
 - An initial or substitute computer readable form (CRF) of the "Sequence Listing."
 - An initial or substitute paper copy or compact disc of the "Sequence Listing," as well as an amendment directing its entry into the specification.
- For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:
 - For Rules Interpretation, call (703) 308-4216
 - To Purchase PatentIn Software, call (703) 306-2600
 - For PatentIn Software Program Help, call (703) 306-4119 or e-mail at patin21help@uspto.gov or patin3help@uspto.gov

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

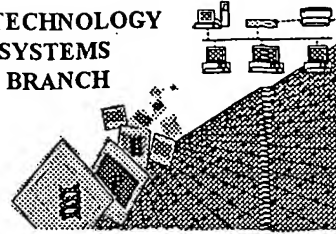
ANITA D JOHNSON

Telephone: (703) 305-3661

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/030,194	PCT/FR00/02216	218874USOPCT

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/030,194
Source: PG/10
Date Processed by STIC: 11/18/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202



PCT10

RAW SEQUENCE LISTING

DATE: 11/18/2002

PATENT APPLICATION: US/10/030,194

TIME: 15:02:28

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Output Set: N:\CRF4\11182002\J030194.raw

7 <110> APPLICANT: RENARD, MICHEL
 10 DELOURME, REGINE
 13 BARRET, PIERRE
 16 BRUNEL, DOMINIQUE
 19 FROGER, NICOLE
 22 TANGUY, XAVIER
 28 <120> TITLE OF INVENTION: MUTANT GENE OF THE GRAS FAMILY AND PLANTS WITH REDUCED
 29 DEVELOPMENT CONTAINING SAID MUTANT GENE
 35 <130> FILE REFERENCE: 218874USOPCT
 41 <140> CURRENT APPLICATION NUMBER: 10/030,194
 44 <141> CURRENT FILING DATE: 2002-02-04
 50 <150> PRIOR APPLICATION NUMBER: PCT/FR00/02216
 53 <151> PRIOR FILING DATE: 2000-08-02
 59 <150> PRIOR APPLICATION NUMBER: FR 9910023
 62 <151> PRIOR FILING DATE: 1999-08-02
 E--> 68 <160> NUMBER OF SEQ ID NOS: ⑥3 *see below*
 74 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

Does Not Comply
 Corrected Diskette Needed

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 717 <211> LENGTH: ①779 *last sequence in submitted file*
 720 <212> TYPE: DNA
 723 <213> ORGANISM: Brassica napus
 729 <220> FEATURE:
 732 <221> NAME/KEY: CDS
 735 <222> LOCATION: (60)..(1778) *587 (see p.2)*
 738 <223> OTHER INFORMATION:
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 753 Met Lys Arg Asp Leu His Gln Phe Gln Gly Pro Asn His Gly Thr Ser
 755 1 5 10 15
 759 atc gcc ggt tct tcc act tct tcc cct gcg gtg ttt ggt aaa gac aag 155
 761 Ile Ala Gly Ser Ser Thr Ser Ser Pro Ala Val Phe Gly Lys Asp Lys
 763 20 25 30
 767 atg atg atg gtc aaa gaa gaa gaa gac gac gag ctt cta gga gtc ttg 203
 769 Met Met Met Val Lys Glu Glu Glu Asp Asp Glu Leu Leu Gly Val Leu
 771 35 40 45
 775 ggt tac aag gtt agg tct tcg gag atg gct gag gtt gcg ttg aaa ctc 251
 777 Gly Tyr Lys Val Arg Ser Ser Glu Met Ala Glu Val Ala Leu Lys Leu
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/030,194

DATE: 11/18/2002

TIME: 15:02:28

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791	cac	ctc	gcg	acg	gat	act	gtt	cat	tac	aac	ccc	gct	gag	ctt	tac	tcg	347
793	His	Leu	Ala	Thr	Asp	Thr	Val	His	Tyr	Asn	Pro	Ala	Glu	Leu	Tyr	Ser	
795				85						90					95		
799	tgg	ctt	gat	aac	atg	ctc	acg	gag	ctt	aac	cca	ccc	gct	gca	acg	acc	395
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803				100						105					110		
807	gga	tct	aac	gct	ttg	aac	ccg	gag	att	aat	aat	aat	aat	aat	aac	tcg	443
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811				115						120					125		
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819		130					135					140					
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825	Arg	Arg	Ser	Asn	Gln	Phe	Ala	Phe	Ala	Val	Asp	Ser	Ser	Ser	Asn	Lys	
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833	Arg	Leu	Lys	Pro	Ser	Ser	Ser	Pro	Asp	Ser	Met	Val	Thr	Ser	Pro	Ser	
E--> 835				165						170							

175 ← insert

*the
correct
nucleotide
total*

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/030,194

DATE: 11/18/2002

TIME: 15:02:29

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